

LOW VOLTAGE DC POWERED TELECOMMUNICATIONS CUSTOMER
SERVICE TERMINAL HAVING TELEPHONE WIRE INTERCONNECTION
AND A HOT-SWAPPABLE LOW VOLTAGE BATTERY MODULE

ABSTRACT OF THE DISCLOSURE

5 A telecommunications system includes a digital subscriber line, a plurality of analog telephone terminals, at least one digital data terminal, a power supply having a high voltage alternating current input and a low voltage direct current output, and a telecommunications customer service terminal (CST) having a signal input terminal for connection to the digital
10 subscriber line (DSL), having a plurality of analog telephone output terminals for connection to individual ones of the plurality of analog telephone terminals, having at least one digital data output terminal for connection to the at least one digital data terminal, and having a low voltage direct current power input terminal for connection to the low voltage direct current output
15 of the power supply. A length of telephone wire connects the signal input terminal of the CST to the digital subscriber line, a plurality of lengths of telephone wire connect individual ones of the analog telephone output terminals of the CST to individual ones of the plurality of analog telephone terminals, at least one length of telephone wire connects the at least one
20 digital data output terminal of the CST to the at least one digital data terminal, and a length of telephone wire connects the low voltage direct current power terminal of the CST to the low voltage direct current output of the power supply. A manually removable battery pack supplies low voltage direct current to the low voltage direct current input terminal of the CST upon
25 failure of the high voltage alternating current input to the power supply.